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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Bodo Junge, et al.  
Serial No. : 936,280 Filed: August 23, 1978  
Title : ANTIDIABETIC 3,4,5-TRIHYDROPIPERIDINES  
Patent No. : 4,639,436 Issued: January 27, 1987

Hon. Commissioner of Patents and Trademarks  
Washington, D.C. 20231

Sir:

March 2, 1987  
APPROVED

REQUEST FOR CERTIFICATE UNDER PATENT & TRADEMARKS

In accordance with the provisions of Rule 322 of the Rules of Practice which implement 35 USC 254, the Patent and Trademark Office is respectfully requested to issue a Certificate of Correction in the above-identified patent to correct material errors in the printed patent document.

The errors are listed below with reference to their occurrence in the application and correspond in order to the changes listed on the attached Form PTO-1050:

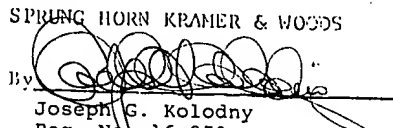
Col. 7, line 30	Delete "p <sub>3</sub> " and substitute --R <sub>3</sub> --
Col. 14, line 38	Delete "Ransey" and substitute --Raney--
Col. 17, line 34	Delete "ahgent" and substitute --agent--
Col. 37, line 10	Delete "eedible" and substitute --edible--
Col. 40, line 16	Delete "round" and substitute --found--
Col. 40, line 29	Delete "butylraldehyde" and substitute --butylaldehyde--
Col. 46, line 34	Delete "(CH <sub>2</sub> ) <sub>9</sub> " and substitute --(CH <sub>2</sub> ) <sub>8</sub> --
Col. 51, line 2, after "Example 8"	Insert --1-Desoxynojirimycin-1-carboxylic acid ethyl ester--
Col. 51, line 29, after "Example 9"	Insert -- N-Methyl-1-desoxynojirimycin-1-carboxylic acid ethylester--
Col. 51, line 45, after "Example 10"	Insert -- 1-Desoxynojirimycin-1-carboxylic acid amide --
Col. 52, line 2, after "Example 11"	Insert -- 1-Desoxynojirimycin-1-carboxylic acid benzylamide --

The Patent and Trademark Office evidently erred when these errors were made in the formal patent document since the text is correct in the application file.

Since these mistakes are not obvious from the printed text, it is believed to be in order for the Patent and Trademark Office to issue a Certificate of Correction in accordance with the two copies of the enclosed Form PTO-1050 and to place such a Certificate of Correction in the file so that such will appear on any copies of the patent which are ordered in the future. Moreover, since these mistakes are those of the Patent and Trademark Office, such should be done without charge to the patentee.

It is respectfully requested that when the above-requested Certificate of Correction has been issued and entered in the file, that a certified copy of the Certificate of correction be duly returned to the below-listed attorneys for the patentee.

Respectfully submitted,  
SPRING HORN KRAMER & WOODS

By   
Joseph G. Kolodny  
Reg. No. 16,970

600 Third Avenue  
New York, New York 10016

(212) 661-0520

Col. 52, line 21, after  
"Example 12"  
Col. 52, line 35, after  
"Example 13"  
Col. 52, line 53, after  
"Example 14"  
Col. 53, line 6, after  
"Example 15"

Col. 53, line 21, after  
"Example 16"  
Col. 53, line 35, after  
"Example 17"  
Col. 53, line 50, after  
"Example 18"  
Col. 54, line 2, after  
"Example 19"  
Col. 54, line 17, after  
"Example 20"  
Col. 54, line 38, after  
"Example 21"  
Col. 54, line 56, after  
"Example 22"  
Col. 55, line 10, after  
"Example 23"  
Col. 55, line 41, after  
"Example 24"

Col. 62, line 7

Insert -- N-Methyl-1-desoxynojiri-  
mycin-1-carboxylic benzyl amide --  
Insert -- 1-Aminomethyl-1-  
desoxynojirimycin --  
Insert -- 1-Acetamidomethyl-1-  
desoxynojirimycin --  
Insert -- N-Methyl-1-acetamidomethyl-  
1-desoxynojirimycin --

Insert -- 1-Benzoylaminoethyl-1-  
desoxynojirimycin --  
Insert -- N-Methyl-1-benzoylamino-  
1-desoxynojirimycin --  
Insert -- 1-Tosylaminomethyl-1-  
desoxynojirimycin --  
Insert -- N-Methyl-1-tosylamino-  
methyl-1-desoxynojirimycin --  
Insert -- 1-(N'-Phenylureidomethyl)-  
1-desoxynojirimycin --  
Insert -- N-(1-Desoxynojirimycinyl)-  
acetic acid-6-lactone --  
Insert -- N-(1-Desoxynojirimycinyl)-  
acetic acid benzylamide --  
Insert -- 1-Hydroxymethyl-1-  
desoxynojirimycin --  
Insert -- 6-O-Benzoyl-1-  
desoxynojirimycin --

Delete "methyld" and substitute  
-- methyl- α --

# UNITED STATES PATENT AND TRADEMARK CERTIFICATE OF CORRECTION

PATENT NO. : 4,639,436  
DATED : January 27, 1987  
INVENTOR(S) : Bodo Junge, et al.

It is certified that error appears in the above-identified patent and that said corrected as shown below:

Col. 53, line 21, after  
"Example 16"

Insert -- 1-Benzo  
desoxynojirimyci

Col. 53, line 35, after  
"Example 17"

Insert -- N-Methy  
1-desoxynojirimy

Col. 53, line 50, after  
"Example 18"

Insert -- 1-Tosyl  
desoxynojirimyci

Col. 54, line 2, after  
"Example 19"

Insert -- N-Methy  
methyl-1-desoxyn

Col. 54, line 17, after  
"Example 20"

Insert -- 1-(N'-P  
1-desoxynojirimy

Col. 54, line 38, after  
"Example 21"

Insert -- N-(1-De  
acetic acid-6-la

Col. 54, line 56, after  
"Example 22"

Insert -- N-(1-De  
acetic acid benz

Col. 55, line 10, after  
"Example 23"

Insert -- 1-Hydro  
desoxynojirimyci

Col. 55, line 41, after  
"Example 24"

Insert -- 6-O-Ben  
desoxynojirimyci

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PATENT NO. : 4,639,436

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Col. 7, line 30

Col. 14, line 38

Col. 17, line 34

Col. 37, line 10

Col. 40, line 16

Col. 40, line 29

Col. 46, line 34

Col. 51, line 2, after  
"Example 8"

Col. 51, line 29, after  
"Example 9"

Col. 51, line 45, after  
"Example 10"

Col. 52, line 2, after  
"Example 11"

Col. 52, line 21, after  
"Example 12"

Col. 52, line 35, after  
"Example 13"

Col. 52, line 53, after  
"Example 14"

Col. 53, line 6, after  
"Example 15"

Delete "P<sub>3</sub>" and su

Delete "Ransey" an

--Raney--

Delete "ahgent" an

--agent--

Delete "eedible" a

--edible--

Delete "round" and

--found--

Delete "butyralde

tute--butyraldehy

Delete "(CH<sub>2</sub>)<sub>9</sub>" an

--(CH<sub>2</sub>)<sub>8</sub>--

Insert --1-Desoxy

carboxylic acid e

Insert -- N-Methyl

cin-1-carboxylic

Insert -- 1-Desoxy

boxylic acid amide

Insert -- 1-Desoxy

carboxylic acid b

Insert -- N-Methyl

mycin-1-carboxylic

Insert -- 1-Aminom

desoxynojirimycin

Insert -- 1-Acetami

desoxynojirimycin

Insert -- N-Methyl

1-desoxynojirimyc

UNITED STATES PATENT AND TRADEMARK  
CERTIFICATE OF CORRECTION

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DATED : January 27, 1987

INVENTOR(S) : Bodo Junge, et al.

It is certified that error appears in the above-identified patent and that said  
corrected as shown below:

Col. 62, line 7

Delete "methyla" a  
-- methyl-  $\alpha$  --

UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION

PATENT NO. : 4,639,436

Page 1 of 3

DATED : January 27, 1987

INVENTOR(S) : Bodo Junge, et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Col. 7, line 30	Delete "P <sub>3</sub> " and substitute --R <sub>3</sub> --
Col. 14, line 38	Delete "Ransey" and substitute --Raney--
Col. 17, line 34	Delete "ahgent" and substitute --agent--
Col. 37, line 10	Delete "eedible" and substitute --edible--
Col. 40, line 16	Delete "round" and substitute --found--
Col. 40, line 29	Delete "butylraldehyde" and substi- tute--butyraldehyde--
Col. 46, line 34	Delete "(CH <sub>2</sub> ) <sub>9</sub> " and substitute --(CH <sub>2</sub> ) <sub>8</sub> --
Col. 51, line 2, after "Example 8"	Insert -- <u>1-Desoxynojirimycin-1- carboxylic acid ethyl ester</u> --
Col. 51, line 29, after "Example 9"	Insert -- <u>N-Methyl-1-desoxynojirimy- cin-1-carboxylic acid ethylester</u> --
Col. 51, line 45, after "Example 10"	Insert -- <u>1-Desoxynojirimycin-1-car- boxylic acid amide</u> --
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Col. 52, line 21, after "Example 12"	Insert -- <u>N-Methyl-1-desoxynojiri- mycin-1-carboxylic benzyl amide</u> --
Col. 52, line 35, after "Example 13"	Insert -- <u>1-Aminomethyl-1- desoxynojirimycin</u> --
Col. 52, line 53, after "Example 14"	Insert -- <u>1-Acetamidomethyl-1- desoxynojirimycin</u> --
Col. 53, line 6, after "Example 15"	Insert -- <u>N-Methyl-1-acetamidomethyl- 1-desoxynojirimycin</u> --

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CERTIFICATE OF CORRECTION

PATENT NO. : 4,639,436

Page 2 of 3

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Col. 53, line 21, after  
"Example 16"

Insert -- 1-Benzoylaminomethyl-1-  
desoxynojirimycin --

Col. 53, line 35, after  
"Example 17"

Insert -- N-Methyl-1-benzoylamino-  
1-desoxynojirimycin --

Col. 53, line 50, after  
"Example 18"

Insert -- 1-Tosylaminomethyl-1-  
desoxynojirimycin --

Col. 54, line 2, after  
"Example 19"

Insert -- N-Methyl-1-tosylamino-  
methyl-1-desoxynojirimycin --

Col. 54, line 17, after  
"Example 20"

Insert -- 1-(N'-Phenylureidomethyl)-  
1-desoxynojirimycin --

Col. 54, line 38, after  
"Example 21"

Insert -- N-(1-Desoxynojirimycinyl)-  
acetic acid-6-lactone --

Col. 54, line 56, after  
"Example 22"

Insert -- N-(1-Desoxynojirimycinyl)-  
acetic acid benzylamide --

Col. 55, line 10, after  
"Example 23"

Insert -- 1-Hydroxymethyl-1-  
desoxynojirimycin --

Col. 55, line 41, after  
"Example 24"

Insert -- 6-O-Benzoyl-1-  
desoxynojirimycin --



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Page 3 of 3

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Col. 62, line 7.

Delete "methyla" and substitute  
-- methyl-  $\alpha$  --

**Signed and Sealed this**  
**Nineteenth Day of May, 1987**

*Attest:*

DONALD J. QUIGG

*Attesting Officer*

*Commissioner of Patents and Trademarks*